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DATE: 9-7-04 ATTORNEY DOCKET NUMBER: SMX 3093.3
PTO FACSIMILE NUMBER: 703-872-9306

PLEASE DELIVER THIS FACSIMILE TO: Examiner Mary Ceperley
THIS FACSIMILE IS BEING SENT BY: Derick E. Allen, Reg. No. 43,468
NUMBER OF PAGES: 26 INCLUDING COVER SHEET

TIME SENT: 10:50 OPERATOR'S NAME Sandra Dean

Applicant's Name: Gerrit Klaerner
Serial No. (Confirmation No.): 09/911,683 (Confirmation No. 4375)

Filing Date: 07-24-01 Art Unit: 1641

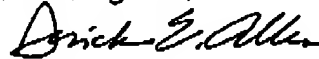
Application Title: POLYMER BRUSHES FOR IMMOBILIZING MOLECULES TO A
SURFACE AND HAVE WATER-SOLUBLE OR WATER-DISPERSIBLE SEGMENTS
THEREIN AND PROBES BONDED THERETO

Comments:

Pursuant to the phone conference the undersigned had with Examiner Ceperley this morning, attached please find the following: (i) pages that were attached to the Office Action of May 19, 2003, which are copies of the Information Disclosure Statement Applicants submitted on October 25, 2001 and which have not been signed/dated and/or which include references listed thereon that have not been initialed; and, (ii) copies of references 91, 133, 135 and 158 (which appear to be the only references not initialed on these pages, or any of the pages submitted with the Statement of October 25, 2001).

The undersigned would like to thank Examiner Ceperley for the time spent discussing this matter. The Examiner's indication that she would, to the extent necessary, review these references as soon as possible, in view of the November 10, 2004 deadline for payment of the issue fee for this application, is greatly appreciated.

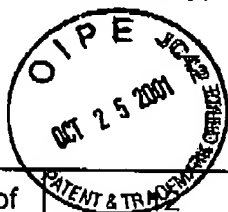
Best Regards,



Derick E. Allen
Reg. No. 43,468

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PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known		
		Application Number	09/911,683	
		Filing Date	July 24, 2001	
		Confirmation Number	4375	
		First Named Inventor	Gerrit Klaerner	
		Group Art Unit	1641	
Examiner Name	Gary W. Counts			
Sheet	10	of	Attorney Docket No.	SMX 3093.3 (99-100D1)



MAC	127	OTSU "Iniferter Concept and Living Radical Polymerization" Journal of Polymer Science, Part A: Polymer Science, Vol. 38 (2000) pp. 2121-2136.	
MAC	128	OTSU et al. "Solid-Phase Block Copolymer Synthesis by the Iniferter Technique" Vol. 19, No. 7 (1988) pp. 2087-2089.	
MAC	129	PENG et al. "Polymer Brushes with Liquid Crystalline Side Chains" Macromolecules, Vol. 32, No. 20 (1999) pp. 6759-6766.	
MAC	130	PETRO et al. "Polymers Immobilized on Silica Gels as Stationary Phases for Liquid Chromatography" Chromatographia, Vol. 37, No. 9-10 (11/1993) pp. 549-561.	
MAC	131	PRUCKER "Grafting of Polymers to Microparticulate Silica by Using Immobilized Azo Initiators" Chemical Abstracts, Vol. 123, No. 18 (1995) Abstract No. 123: 229210z.	
MAC	132	PRUCKER et al. "Mechanism of Radical Chain Polymerizations Initiated by Azo Compounds Covalently Bound to the Surface of Spherical Particles" Macromolecules, Vol. 31, No. 3 (1998) pp. 602-613.	
	133	PRUCKER "Synthesis of Poly(styrene) Monolayers Attached to High Surface Area Silica Gels Through Self-Assembled Monolayers of Azo Initiators" Macromolecules, Vol. 31, No. 3 (1998) pp. 592-601.	
MAC	134	RUHE "Polymers Grafted From Solid Surfaces" Macromol. Symp., Vol. 126 (1997) pp. 215-222.	
	135	SARIN et al. "Inhibition of Acquired Immunodeficiency Syndrome Virus by Oligodeoxynucleoside Methylphosphonates" Proceedings of the National Academy of Sciences USA, Vol. 85, No. 20 (10/1988) pp. 7448-7451.	
MAC	136	SEERY et al. "Designing Polymer Surfaces on Gold and Glass Using Surface Initiated Polymerizations" 214th ACS National Meeting, Los Vegas, NV (1997) Abstract 044.	
MAC	137	SEERY et al. "Direct Synthesis of Polymer Brushes" Polymer Preprints, Vol. 40, No. 2 (1999) pp. 148-149.	
MAC	138	SEIDEL et al. "Individual Polymer Paths and End-Point Stretching in Polymer Brushes" Macromolecules, Vol. 33, No. 2 (2000) pp. 634-640.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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		Group Art Unit	1641
		Examiner Name	Gary W. Counts <i>Caperley</i>
Sheet	6	of	Attorney Docket No. SMX 3093.3 (99-100D1)



<i>MCC</i>	79	CHEUNG et al. "Making and Reading Microarrays" Nature Genetics Supplement, Vol. 21 (1/1999) pp. 15-19.
<i>MCC</i>	80	COLE et al. "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer" Monoclonal Antibodies and Cancer Therapy, Alan R. Liss, Inc. (1985) pp. 77-96.
<i>MCC</i>	81	COTE et al. "Generation of Human Monoclonal Antibodies Reactive with Cellular Antigens" Proceedings of the National Academy of Sciences Vol. 80, No. 7 (4/1983) pp. 2026-2030.
<i>MCC</i>	82	de BOER et al. "Living" Free Radical Photopolymerization Initiated from Surface-Grafted Initiator Monolayers" Macromolecules, Vol. 33, No. 2 (2000) pp. 349-356.
<i>MCC</i>	83	DHAR et al. "Modification of Silica Surfaces Using Surface Initiated Polymerization" Abstracts of Papers, Part 2, 215th ACS National Meeting, Dallas, TX (1998) Abstract No. 147.
<i>MCC</i>	84	FISCHER "The Persistent Radical Effect In "Living" Radical Polymerization" Macromolecules, Vol. 30, No. 19 (1997) pp. 5666-5672.
<i>MCC</i>	85	GLAZER "Phycobillosomes: Structure and Dynamics" Annual Review of Microbiology, Vol. 36 (1982) pp. 173-198.
<i>MCC</i>	86	GRABAREK et al. "Zero-Length Crosslinking Procedure with the Use of Active Esters" Analytical Biochemistry, Vol. 185 (1990) pp. 131-135.
<i>MCC</i>	87	HARRISON et al. "Reducing Substrate Pinning of Block Copolymer Microdomains with a Buffer Layer of Polymer Brushes" Macromolecules, Vol. 33, No. 3 (2000) pp. 857-865.
<i>MCC</i>	88	HAWKER et al. "Accurate Control of Chain Ends by a Novel "Living" Free-Radical Polymerization Process" Macromolecules, Vol. 28, No. 8 (1995) pp. 2993-2995.
<i>MCC</i>	89	HAWKER "Architectural Control in "Living" Free Radical Polymerizations: Preparation of Star and Graft Polymers" Angew. Chem. Int. Ed. Engl., Vol. 34, No. 13/14 (1995) pp. 1456-1459.
<i>MCC</i>	90	HAWKER et al. "Initiating Systems for Nitroxide-Mediated "Living" Free Radical Polymerizations: Synthesis and Evaluation" Macromolecules, Vol. 29, No. 16 (1996) pp. 5245-5254.
<i>MCC</i>	91	HAWKER et al. "Manipulation of Surface Properties Using Novel Grafted Copolymer Brushes and Surface Initiated Polymerization" Polymer Preprints, Vol. 40, No. 2 (8/1999) p. 101.

Examiner Signature	<i>Mary E. Caperley</i>	Date Considered	05/15/03
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			Group Art Unit	1641	
			Examiner Name	Gary W. Counts	
Sheet	12	of	12	Attorney Docket No.	SMX 3093.3 (99-100D1)

151	TSUBOKAWA et al. "Surface Modification of Carbon Microbead by the Grafting of Polymers" J.M.S. - Pure Appl. Chem., Vol. A32, No. 3 (1995) pp. 525-535.
152	VATANSEVER et al. "Modification of Glass Surfaces by Using Tethered Romp Catalysts" 215th ACS National Meeting, Dallas, TX (1998) Abstract 146.
153	WANG et al. "Facile Synthesis of New Unimolecular Initiators for Living Radical Polymerizations" Macromolecules, Vol. 31, No. 19 (1998) pp. 6727-6729.
154	WECK et al. "Ring-Opening Metathesis Polymerization from Surfaces" Journal of the American Chemical Society, Vol. 121, No. 16 (1999) pp. 4088-4089.
155	WEISENHORN et al. "Imaging Single-Stranded DNA, Antigen-Antibody Reaction and Polymerized Langmuir-Blodgett Films with an Atomic Force Microscope" Scanning Microscopy, Vol. 4, No. 3 (1990) pp. 511-516.
156	WILLIAMS et al. "A New Mechanism Involving Cyclic Tautomers for the Reaction with Nucleophiles of the Water-Soluble Peptide Coupling Reagent 1-Ethyl-3-(3-(dimethylamino)propyl)carbodiimide (EDC)" Journal of the American Chemical Society, Vol. 103, No. 24 (1981) pp. 7090-7095.
157	XIA et al. "Soft Lithography" Angew. Chem. Int. Ed., Vol. 37 (1998) pp. 550-575.
158	YAMAMOTO et al. "Preparation of Well-Defined Polymer Brushes on Silicon Substrate by the Surface-Initiated ATRP Technique and Their Characterization" Polymer Preprints, Vol. 40, No. 2 (1999) pp. 401-402.
159	YIN et al. "Grafting of Poly(Acrylic Acid) onto Nonporous Glass Bead Surfaces" Polymers for Advanced Technologies, Vol. 8(1997) pp. 761-768.
160	International Search Report for PCT/US00/18339 dated September 6, 2000.

Examiner Signature	<i>Mary E. Caporale</i>	Date Considered	05/15/03
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